

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (original): A method comprising:

reading a test file including a plurality of test vectors to be applied to a device;  
and

determining a required memory needed to execute the plurality of test vectors.

Claim 2 (original): The method of claim 1, wherein determining a required memory comprises determining a required memory needed for each of a plurality of boards of a tester to execute the test vectors for the board.

Claim 3 (original): The method of claim 1, wherein determining a required memory comprises determining a required memory needed for each of a plurality of pins of a tester to execute the test vectors for the pin.

Claim 4 (original): The method of claim 1, wherein determining a required memory comprises counting the number of test vectors for each test in the test file.

Claim 5 (original): The method of claim 1, wherein determining a required memory comprises:

determining a first memory requirement needed for a first pin of a tester to execute the test vectors for a first test in the test file;

setting the required memory equal to the first memory requirement; and

for each additional pin of the tester,

determining a second memory requirement needed for the additional pin to execute the test vectors for the first test; and

if the second memory requirement is greater than the first memory requirement, setting the required memory equal to the second memory requirement.

Claim 6 (original): The method of claim 5, further comprising for each additional test in the test file:

for each pin of the tester, determining a third memory requirement for the pin to execute the test vectors for the additional test; and setting the required memory equal to the third memory requirement if the third memory requirement is greater than the required memory.

Claim 7 (original): The method of claim 1, further comprising if the required memory exceeds an existing memory allotment, increasing the allotment of memory.

Claim 8 (original): The method of claim 1, further comprising if the required memory exceeds an existing memory allotment, notifying a user of an amount of additional memory required.

Claim 9 (original): The method of claim 1, wherein the device comprises a system-on-a-chip (SOC).

Claim 10 (original): A system comprising:

logic to read a test file including a plurality of test vectors and to determine a required memory needed to execute the plurality of test vectors; and

a tester, communicatively coupled to the logic, to apply the plurality of test vectors to a device.

**Claim 11 (original):** The system of claim 10, wherein the tester includes a plurality of boards, and wherein the logic is to determine a required memory needed for each board of a tester to execute the test vectors for the board.

**Claim 12 (original):** The system of claim 10, wherein the tester includes a plurality of boards, each board including a plurality of pins; and wherein the logic is to determine a required memory needed for each pin to execute the test vectors for the pin.

**Claim 13 (original):** The system of claim 10, wherein the logic is to determine the required memory by counting the number of test vectors for each test in the test file.

**Claim 14 (original):** The system of claim 10, further comprising a user interface to notify the user of an amount of additional memory required if the required memory exceeds an existing memory allotment.

**Claim 15 (original):** The system of claim 10, wherein the tester comprises a system-on-a-chip (SOC) tester.

**Claim 16 (new):** The method of claim 1, further comprising using the required memory to bill a customer.